



<b>Script Name</b>	TRI-MEweb RY 2014 Form R part II Section 8.9-8.11: Pollution Prevention Enhancements		
<b>Script ID</b>	TRI 04		
<b>Script Synopsis</b>	The RY 2014 TRI-MEweb Pollution Prevention Enhancements for TRI-MEweb Submitters script allows the users to test the pollution prevention enhancements implemented in RY 2014.		
<b>Prerequisites</b>	The user has a CDX user ID and access to the TRI-MEweb data flow in CDX. The user has successfully logged into CDX and has access to at least one TRIFID and forms in progress. The FIM module has been completed.		
<b>Tests Performed</b>	<b>Requirements Reference</b>	<b>Page</b>	<b>Steps</b>
TRI 04.1 <i>Form R Part II</i> : Section 8 Form mode standardization, Section 8.9	TRI-022, TRI-022.1, TRI-022.2, TRI-022.3	2-10	13
TRI 04.2 <i>Form R Part II</i> : Section 8 Form mode standardization, Section 8.10	TRI-022, TRI-022.1, TRI-022.2, TRI-022.3	11-20	19
TRI 04.3 <i>Form R Part II</i> : Section 8 Form mode standardization, Section 8.11	TRI-022, TRI-022.1, TRI-022.2, TRI-022.3	21-23	5
TRI 04.4 <i>Form R Part II</i> : Section 8 Form mode standardization, Section 9.1	TRI-022, TRI-022.1, TRI-022.2, TRI-022.3	24-28	6
TRI 04.5 <i>Form R Part II</i> : Section 8.9 user guide pages	N/A	29-33	10



<b>Test Name</b>	<i>Form R Part II: Section 8 Form mode standardization, Section 8.9</i>
<b>Test ID</b>	TRI 04.1
<b>Synopsis</b>	The test will verify that the changes to the form mode match the questionnaire mode for section 8.9.
<b>Prerequisites</b>	The user has logged into CDX and the TRI-MEweb application is open.
<b>Role</b>	Preparer or Certifying Official

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
1. Click the "Prepare" tab.	The "Select a Reporting Year" page displays.		Figure 4.1	
2. Select "2014" from the "Reporting Year" drop-down menu.	Reporting year "2014" is selected from the "Reporting Year" drop-down menu.		Figure 4.1	
3. Click the "Select Facility" sub tab.	The "Select a Facility" page displays.		Figure 4.1	
4. Select a radio button corresponding to a facility and click the "Forms" sub tab.	The "Select a Form" page displays.		Figure 4.2	
5. Select a "Mercury" Form R that is in progress and click the "Go To Form Mode" button.  If you do not have any in progress forms, click the "+Add Form" button, add a new form, select the newly added form, and click "Go To Form Mode" to continue with the test script.	The Form R Part II, Sections 1, 2, 3 and 4 page displays.		Figure 4.3, Figure 4.4	
6. Click the "8.9-8.10" sub tab.	The "Form R Part II, Section 8.9 and 8.10" page displays in form mode.		Figure 4.4	

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
<p>7. Verify that the following instructional text is displayed in sec 8.9:</p> <p>"This is reported as a ratio, not as a percent (i.e., report 1.25 for a 25% increase, not 125% or 25%). Entering 1.0 equals the same production level as the prior reporting year. Only select Not Applicable if you did not manufacture, process, or otherwise use the reported EPCRA Section 313 chemical during the prior reporting year."</p> <p>Note that the Section 8.9 or 8.10 "Not Applicable" check boxes need to be unchecked to continue with this script. Uncheck them now if they are not already.</p>	<p>The following instructional text is displayed in sec 8.9:</p> <p>"This is reported as a ratio, not as a percent (i.e., report 1.25 for a 25% increase, not 125% or 25%). Entering 1.0 equals the same production level as the prior reporting year. Only select Not Applicable if you did not manufacture, process, or otherwise use the reported EPCRA Section 313 chemical during the prior reporting year."</p>		Figure 4.5	
<p>8. Verify that the "New" leaf icon displays next to the "Select Metric: radio buttons in sec 8.9 and that hovering your cursor over the leaf icon displays instructional text to the user.</p>	<p>The "New" leaf icon is displayed next to the Select Metric radio buttons in sec 8.9 and hovering your cursor over the icon displays instructional text.</p>		Figure 4.5	
<p>9. Verify that the following metric options are displayed as radio buttons in sec 8.9:</p> <ul style="list-style-type: none"> <li>• Production Ratio</li> <li>• Activity Ratio</li> </ul>	<p>The following metric options are displayed as radio buttons in sec 8.9:</p> <ul style="list-style-type: none"> <li>• Production Ratio</li> <li>• Activity Ratio</li> </ul>		Figure 4.5	
<p>10. Verify that the "Production or Activity Variable(s):" comment box is displayed and is enabled to enter comment.</p>	<p>The "Production or Activity Variable(s):" comment box is displayed and is enabled to enter comment.</p>		Figure 4.5	

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
11. Verify that the following text is displayed above the "Production or Activity Variable(s)" comment box: "Including information in Section 9.1 on your Production or Activity variable(s) provides context for how the Production or Activity Ratio was calculated and may help TRI data users better understand changes in release or other waste management quantities at your facility."	The following text displays above the "Production or Activity Variable(s)" comment box: "Including information in Section 9.1 on your Production or Activity variable(s) provides context for how the Production or Activity Ratio was calculated and may help TRI data users better understand changes in release or other waste management quantities at your facility."		Figure 4.5	
12. Verify that the following text displays below the "Production or Activity Variable(s)" comment box: "(e.g., "The variable used to calculate production ratio is: refrigerators produced.")"	The following text displays below the "Production or Activity Variable(s)" comment box: "(e.g., "The variable used to calculate production ratio is: refrigerators produced.")"		Figure 4.5	
13. Enter a comment in the sec 8.9 comment box and click the "9.1" sub tab.	The "Form R Part II, Section 9.1" page is displayed and the comment entered on section 8.9 page is displayed in section 9.1: Miscellaneous Information page with a comment description – "Production or Activity Variable."		Figure 4.5	
14. Click the "7A" sub-tab.	The "Form R Part II, Section 7A" page is displayed.		Figure 4.6	
15. Click "Go to Questionnaire Mode."	The "On-Site Treatment" page is displayed.		Figure 4.17	

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
16. Confirm that the following instructional text is displayed at the top of the page: "For chemicals that cannot be destroyed during treatment processes (e.g., metals such as this chemical), reporting quantities as treated in Section 8 is invalid. In Section 7A, however, you should provide information on any treatment methods applied to waste streams containing this chemical, even though the chemical is not destroyed. You should also account for quantities removed by treatment processes when calculating treatment efficiencies for this chemical in Section 7A."	The correct language is displayed on the page.		Figure 4.18	
17. Click the "Source Reduction/Recycling" sub-tab. Click "Next."	The "Non-Production Related Quantities" page is displayed.		Figure 4.18	
18. Select the "No" radio button on the "Non-Production Related Quantities" page if it is not yet selected. Click Next.	The "Prior Year Data" page is displayed.		Figure 4.19	
19. Confirm the following text is displayed at the top of the "Prior Year Data" page: "Because this chemical cannot be treated for destruction, "Not Applicable" will be reported for both on-site and off-site treatment on this TRI chemical's Form R. In addition, metals and metal compounds (including asbestos) cannot be combusted for energy recovery. "Not Applicable" also will be reported for both on-site and off-site energy recovery on this TRI chemical's Form R."	The correct language is displayed on the page.		Figure 4.20	
20. Click "Next."	The "Current Year Calculations" page is displayed.		Figure 4.21	



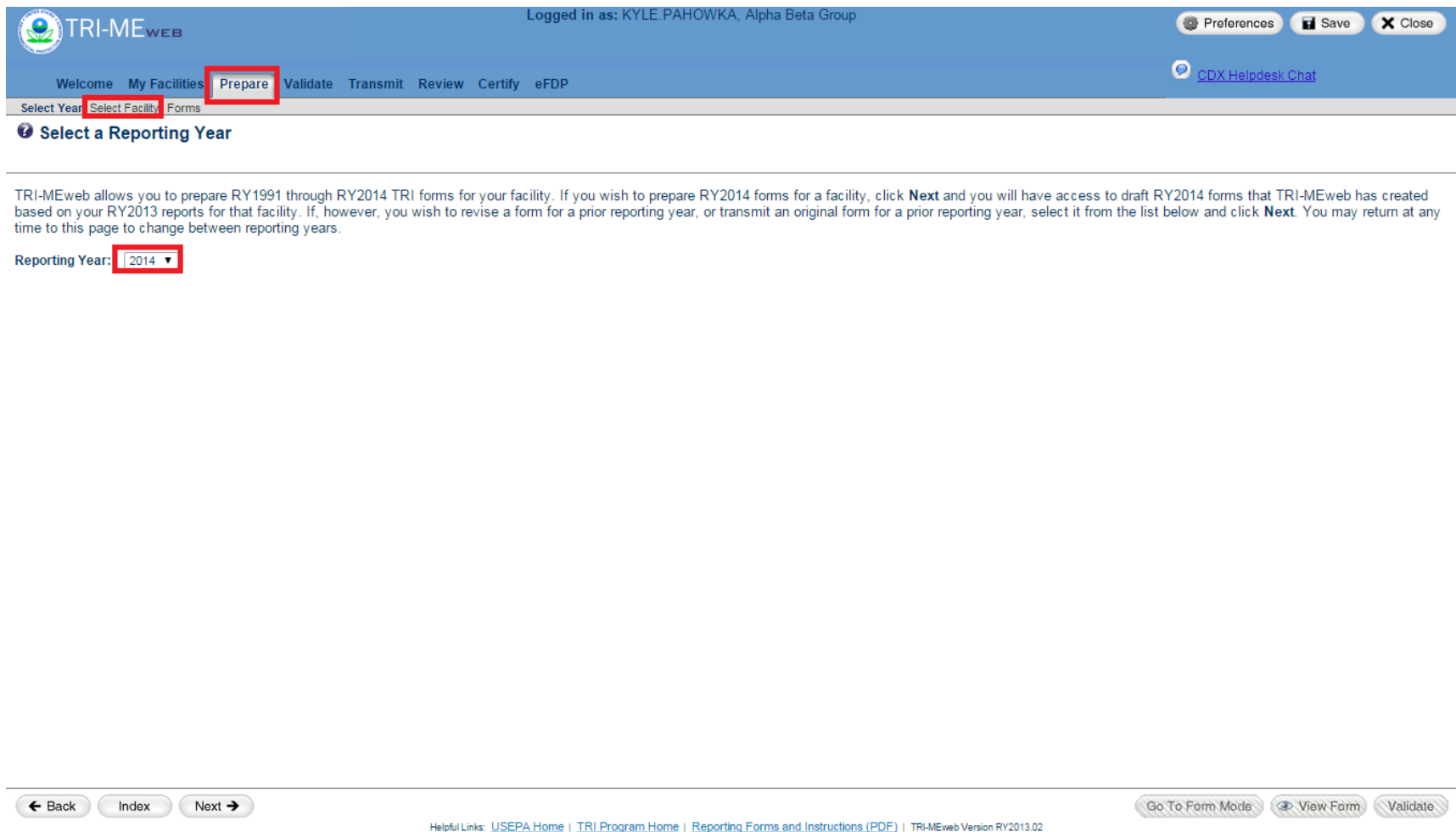
Processing Steps	Expected Results	Actual Results	Notes	Issue Number
21. Confirm the following text is displayed at the top of the "Current Year Calculations" page: "Because this chemical cannot be treated for destruction, "Not Applicable" will be reported for both on-site and off-site treatment on this TRI chemical's Form R. In addition, metals and metal compounds (including asbestos) cannot be combusted for energy recovery. "Not Applicable" also will be reported for both on-site and off-site energy recovery on this TRI chemical's Form R."	The correct language is displayed on the page.		Figure 4.21	
22. Click "Next."	The "Following Year Estimates" page is displayed.		Figure 4.22	
23. Confirm the following text is displayed: "Because this chemical cannot be treated for destruction, "Not Applicable" will be reported for both on-site and off-site treatment on this TRI chemical's Form R. In addition, metals and metal compounds (including asbestos) cannot be combusted for energy recovery. "Not Applicable" also will be reported for both on-site and off-site energy recovery on this TRI chemical's Form R."	The correct language is displayed on the page.		Figure 4.22	

Determination:      Pass [   ]      Fail [   ]      \_\_\_\_\_

Approved By:      \_\_\_\_\_      Date:      \_\_\_\_\_      Time:      \_\_\_\_\_

## TRI-4.1 Screenshots

Figure 4.1 (Click Prepare tab -> Select 2014 -> Click Select Facility sub-tab)



The screenshot displays the TRI-MEweb application interface. At the top, the user is logged in as KYLE.PAHOWKA, Alpha Beta Group. The main navigation bar includes tabs for Welcome, My Facilities, Prepare (highlighted with a red box), Validate, Transmit, Review, Certify, and eFDP. Below this, a sub-navigation bar shows 'Select Year' (highlighted with a red box), 'Select Facility' (highlighted with a red box), and 'Forms'. The 'Select a Reporting Year' section features a dropdown menu with '2014' selected (highlighted with a red box). The page content explains that TRI-MEweb allows users to prepare RY1991 through RY2014 TRI forms. It instructs users to click 'Next' to draft RY2014 forms or select a prior reporting year from the list and click 'Next'. The footer contains navigation buttons (Back, Index, Next) and helpful links (USEPA Home, TRI Program Home, Reporting Forms and Instructions (PDF)).

TRI-MEweb allows you to prepare RY1991 through RY2014 TRI forms for your facility. If you wish to prepare RY2014 forms for a facility, click **Next** and you will have access to draft RY2014 forms that TRI-MEweb has created based on your RY2013 reports for that facility. If, however, you wish to revise a form for a prior reporting year, or transmit an original form for a prior reporting year, select it from the list below and click **Next**. You may return at any time to this page to change between reporting years.

Reporting Year: 2014 ▼

Helpful Links: [USEPA Home](#) | [TRI Program Home](#) | [Reporting Forms and Instructions \(PDF\)](#) | TRI-MEweb Version RY2013.02

Figure 4.2 (Select a TRIFID and click "Forms" sub-tab)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences Save Close

Welcome
My Facilities
Prepare
Validate
Transmit
Review
Certify
eFDP

Select Year
Select Facility
Forms
Chemical Info
On-site Release/Disposal
On-site Waste Mgmt
Off-site Transfer
Source Reduction/Recycling
Misc Info
Summary

**Select a Facility**
CDX Helpdesk Chat

Reporting Year 2014

Please select the facility you would like to work with and click **Next** to continue.

Click **Access/Add Facility** to begin preparing RY2014 forms for a facility that is not listed below.

I would like to designate my facility as "reporting by part". Reporting By Part

+ Access/Add Facility

Select to proceed	TRIFID	Parent Company Name	Facility Name	Location	Forms in Progress
<input type="radio"/>	7520WCRKPN2493N		ABC Industries Inc. (DBA ABC Engravers)	1000 Queens PKWYYY. Winona Lake, TX 75252	10
<input type="radio"/>	21114DB62XABCST	PC NAME	DB602	ABC ST CROFTON, MD 21114	3
<input checked="" type="radio"/>	2822WFDPC13SYS		eFDP Chem Paths	13 System Test Avenue12 Charlotte, NC 28226	2
<input type="radio"/>	21113XPRTTBST	parent	EXPORT TEST NO-2	B ST TEST Odenton, MD 21113	23
<input type="radio"/>	1946WFMFCL321RE	PC NAME	FIM Facility	321 Red Street Pottstown, PA 19464	2
<input type="radio"/>	0102WFLMNG2VETE		FLEMING INDUSTRIES (TEST)	20 VETERANS DRIVE CHICAGO, MA 01022	4
<input type="radio"/>	7702WJLWXX155BA		JLW	155 Bat Run Avenuee12 Houston, TX 77024	2
<input type="radio"/>	1946WKYLSC123AK	PC	Kyle's Corporation	123 Oak Street Pottstown, PA 19464	28
<input type="radio"/>	21113NNPPRAST		NON PAPER FACILITY-BRAND NEW	A ST ODENTON, MD 21113	1
<input type="radio"/>	2000WPTCHD12PEN		Patch 3 Dioxin 200787 hhh	1200 Penn AVENUE Washington, FL 20009	2
<input type="radio"/>	2222WPTCHM345IN		Patch 4 Mutli Test	345 Indian River Run7 Gary, IN 46401	1
<input type="radio"/>	0381WTDXTS123AK		TDX Test Facility	123 Oak Place Portsmouth, NH 03810	2
<input type="radio"/>	2203WTMSNW567FA		Tom's New Facility	567 Fair Lakes Court9 Fairfax, VA 22033	1

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Go To Form Mode
View Form
Validate

Helpful Links: [USEPA Home](#) | [TRI Program Home](#) | [Reporting Forms and Instructions \(PDF\)](#) | TRI-MEweb Version RY2013.02



Figure 4.3 (Select a form and click "Go To Form Mode")

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences Save Close

Welcome
My Facilities
Prepare
Validate
Transmit
Review
Certify
eFDP

Select Year
Select Facility
Forms
Chemical Info
On-site Release/Disposal
On-site Waste Mgmt
Off-site Transfer
Source Reduction/Recycling
Misc Info
Summary

[CDX Helpdesk Chat](#)

**Select a Form**
eFDP Chem Paths Charlotte, NC  
2822WFDPC13SYS  
Reporting Year 2014

The following is a list of the Reporting Year 2014 chemical forms for this facility. Please select the draft chemical form you would like to begin working with and click **Next**.

Click **Add Form** to create one or more blank chemical forms.

Click **Import Data** to create and pre-populate RY 2013 chemical forms based on your prior year submission(s).

+ Add Form
Import Data

Select to proceed	CAS No Cat. Code	Chemical Name	Reporting Year	Form Type	Revision	Validation Status	Form Status
	000422560	<a href="#">3,3-Dichloro-1,1,1,2,2-pentafluoropropane (PDF)</a>	2014	A	No	Passed w/ Data Quality Alerts	Pending Certification
<input checked="" type="radio"/>	000106514	<a href="#">Quinone (PDF)</a>	2014	R	No	Not Validated	<span>X Delete</span>

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View Form
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Helpful Links: [USEPA Home](#) | [TRI Program Home](#) | [Reporting Forms and Instructions \(PDF\)](#) | TRI-MEweb Version RY2013.02

Figure 4.4 (Navigate to Section 8.9 – 8.10 in Form Mode)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences Save Close

Welcome My Facilities Prepare Validate Transmit Review Certify eFDP
CDX Helpdesk Chat

Change: Select Year | Select Facility | Form
Part I: \$1-4.4 | \$4.5-4.7 | \$5
Part II: \$1-4 | \$5 | \$5.3 | \$6.1 | \$6.2 | \$7A | \$7B-7C | \$8.1-8.7 | \$8.8 | **\$8.9-8.10** | \$8.11 | \$9.1

**Form R Part II, Sections 1, 2, 3 and 4**
eFDP Chem Paths Charlotte, NC  
2822WFDPC13SYS  
2014 Form R for Quinone

### Section 1: Toxic Chemical Identity

1.1. CAS Number: 000106514  
1.2. Chemical Name: Quinone  
1.3. Generic Chemical Name: Not Applicable

### Section 2: Mixture Component Identity

2.1. Generic Chemical Name Provided by Supplier: Not Applicable

### Technical and Public Contact Info

Technical Contact Name: Kyle Pahowka  
E-mail: KYLE.PAHOWKA@CGIFEDERAL.COM  
Non-US Phone: ☐  
Phone: ( 555 ) 555 - 5555 Ext: 321

Public Contact Name: Kyle Pahowka  
E-mail: KYLE.PAHOWKA@CGIFEDERAL.COM  
Non-US Phone: ☐  
Phone: ( 610 ) 444 - 4444 Ext:

### Section 3: Activities and Uses of the Toxic Chemical at the Facility

3.1 Manufacture	3.2 Process	3.3 Otherwise Use
<input type="checkbox"/> a. Produce <input type="checkbox"/> b. Import <input type="checkbox"/> c. For on-site use/processing <input type="checkbox"/> d. For sale/distribution <input type="checkbox"/> e. As a byproduct <input type="checkbox"/> f. As an impurity	<input type="checkbox"/> a. As a reactant <input type="checkbox"/> b. As a formulation component <input type="checkbox"/> c. as an article component <input type="checkbox"/> d. Repackaging <input type="checkbox"/> e. As an impurity	<input checked="" type="checkbox"/> a. As a chemical processing aid <input type="checkbox"/> b. As a manufacturing aid <input type="checkbox"/> c. Ancillary or other use

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Helpful Links: USEPA Home | TRI Program Home | Reporting Forms and Instructions (PDF) | TRI-MEweb Version RY2013.02
Go To Questionnaire Mode View Form Validate

Figure 4.5 (Section 8.9 in Form Mode)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences Save Close

Welcome My Facilities Prepare Validate Transmit Review Certify eFDP
CDX Helpdesk Chat

Change: Select Year | Select Facility | Form
Part I: §1-4.4 | §4.5-4.7 | §5
Part II: §1-4 | §5 | §5.3 | §6.1 | §6.2 | §7A | §7B-7C | §8.1-8.7 | §8.8 | §8.9-8.10 | §8.11 | §9.1

**Form R Part II, Section 8.9 and 8.10**
eFDP Chem Paths Charlotte, NC  
2822WFDPC13SYS  
2014 Form R for Quinone

### Section 8.9: Production Ratio or Activity Ratio

This is reported as a ratio, not as a percent (i.e., report 1.25 for a 25% increase, not 125% or 25%). Entering 1.0 equals the same production level as the prior reporting year. Only select Not Applicable if you did not manufacture, process, or otherwise use the reported EPCRA Section 313 chemical during the prior reporting year.

☐ Not Applicable

Production ratio or activity ratio:  NEW Select Metric: ☒ Production Ratio ☐ Activity Ratio

Including information in Section 9.1 on your Production or Activity variable(s) provides context for how the Production or Activity Ratio was calculated and may help TRI data users better understand changes in release or other waste management quantities at your facility.

Production or Activity Variable(s):

(e.g., "The variable used to calculate production ratio is: refrigerators produced.")

### Section 8.10: Source Reduction Activities and Methods

Report any newly implemented source reduction activity(s) by selecting the applicable code(s) and click on the button to the right of each selected code if you would like to provide optional additional information in Section 8.11.

☒ Not Applicable

NEW **Optional:** If you wish, use the checkboxes below to indicate barriers your facility faces with regard to the implementation of source reduction activities. You may also elaborate on these barriers using the text boxes provided beneath each barrier selected. Any information entered below will appear under the heading "P2 Barriers" in Section 8.11 (Optional Pollution Prevention Information).

**Barriers to Source Reduction:**

- ☐ Insufficient capital to install new source reduction equipment or implement new source reduction activities/initiatives.
- ☐ Require technical information on pollution prevention techniques applicable to specific production processes.
- ☐ Concern that product quality may decline as a result of source reduction.
- ☐ Source reduction activities were implemented but were unsuccessful.
- ☐ Specific regulatory/permit burdens.
- ☐ Pollution prevention previously implemented - additional reduction does not appear technically or economically feasible.
- ☐ No known substitutes or alternative technologies.

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Helpful Links: [USEPA Home](#) | [TRI Program Home](#) | [Reporting Forms and Instructions \(PDF\)](#) | TRI-MEweb Version RY2013.02

Figure 4.6 (Production or Activity Variable Comment)

TRI-ME WEB Logged in as: KYLE PAHOWKA, Alpha Beta Group

Welcome My Facilities Prepare Validate Transmit Review Certify eFDP

Change: Select Year | Select Facility | Form Part I: §1-4.4 | §4.5-4.7 | §5 Part II: §1-4 | §5 | §5.3 | §6.1 | §6.2 | §7A | §7B-7C | §8.1-8.7 | §8.8 | §8.9-8.10 | §8.11 | §9.1

CDX Helpdesk Chat

Form R Part II, Section 9.1

2014 Form R for Copper Compounds

NON PAPER FACILITY-BRAND NEW ODENTON, MD  
21113NNPPRAST

### Section 9.1: Miscellaneous Information


Topic	Comment
<input type="checkbox"/> Changes in Production Levels	
<input type="checkbox"/> Calculation Methods, e.g., Emission Factors	
<input type="checkbox"/> One-time or Intermittent Events Impacting Reported Quantities	
<input type="checkbox"/> Issues or Difficulties Encountered in Submitting Form	
<input type="checkbox"/> Additional Contact Info	
<input type="checkbox"/> Other Regulatory Requirements Related to this Chemical	
<input type="checkbox"/> No TRI Reports Expected for this TRIFD Next Year	
<input type="checkbox"/> No TRI Report Expected for this Chemical Next Year	
Other Miscellaneous Information:	
Production or Activity Variable	UAT COMMENT

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Go To Questionnaire Mode View Form Validate

Helpful Links: USEPA Home | TRI Program Home | Reporting Forms and Instructions (PDF) | TRI-MEweb Version RY2014.01

Figure 4.17 (Go to Questionnaire Mode)


Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences
Save
Close

Welcome
My Facilities
Prepare
Validate
Transmit
Review
Certify
eFDP
CDX Helpdesk Chat

Change: Select Year | Select Facility | Form | Part I: §1-4.4 | §4.5-4.7 | §5 | Part II: §1-4 | §5 | §6.1 | §6.2 | §7A | §7B-7C | §8.1-8.7 | §8.8 | §8.9-8.10 | §8.11 | §9.1

Form R Part II, Section 7A
Kyle's Corporation Pottstown, PA  
1946WKYLSC123AK
2014 Form R for 1,2-Dibromo-3-chloropropane


Section 7A: On-site Waste Treatment Methods and Efficiency

☒ Not Applicable ([Should I report zero instead of Not Applicable?](#))

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Helpful Links: [USEPA Home](#) | [TRI Program Home](#) | [Reporting Forms and Instructions \(PDF\)](#) | TRI-MEweb Version RY2014.01

Figure 4.18 (Check text on On-Site Treatment page)


Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences
Save
Close

Welcome
My Facilities
Prepare
Validate
Transmit
Review
Certify
eFDP
CDX Helpdesk Chat

Select Year
Select Facility
Forms
Chemical Info
On-site Release/Disposal
On-site Waste Mgmt
Off-site Transfer
Source Reduction/Recycling
Disc Info
Summary

On-site Treatment
Kyle's Corporation Pottstown, PA  
1946WKY/LSC123AK

(Form R, Part II, Section 7A)
2014 Form R for Copper

For chemicals that cannot be destroyed during treatment processes (e.g., metals such as this chemical), reporting quantities as treated in Section 8 is invalid. In Section 7A, however, you should provide information on any treatment methods applied to waste streams containing this chemical, even though the chemical is not destroyed. You should also account for quantities removed by treatment processes when calculating treatment efficiencies for this chemical in Section 7A.

TRI-MEweb will now collect information on the types of waste treatment methods applied onsite to waste streams that contain this TRI chemical.

Most of the chemical-specific information required by EPCRA section 313 that is reported on the Form R is specific to the TRI chemical rather than the waste stream containing the toxic chemical. However, EPCRA section 313 does require that waste treatment methods applied onsite to waste streams that contain the toxic chemical be reported, regardless of whether the waste treatment method actually removes or destroys the specific toxic chemical being reported.

If waste streams containing the toxic chemical do not undergo any on-site treatment, click on the "Not Applicable" box below and then click **Next**.

☐ **Not Applicable** ([Should I report zero instead of Not Applicable?](#))

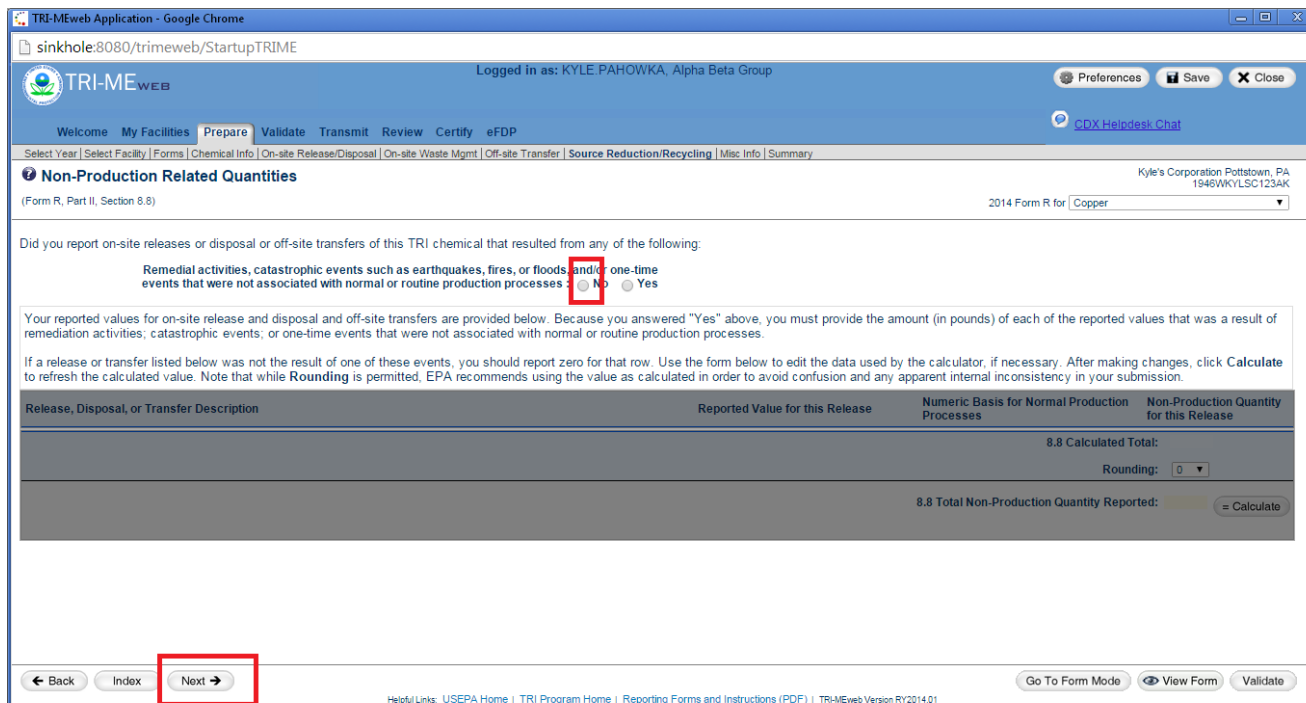
You will also be asked to report the following if you treat or remove this chemical onsite from your waste streams.

- Waste stream type containing chemical being reported.
- Waste treatment methods or sequence used on all waste streams containing chemical being reported.
- Efficiency of waste treatment method in destroying or removing this chemical.

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[Reporting Forms and Instructions \(PDF\)](#)
TRI-MEweb Version R/2014.01

Figure 4.19 (Select radio button and click next)



TRI-MEweb Application - Google Chrome  
sinkhole:8080/trimeweb/StartupTRIME

Logged in as: KYLE PAHOWKA, Alpha Beta Group

Preferences Save Close

CDX Helpdesk Chat

Welcome My Facilities Prepare Validate Transmit Review Certify eFDP

Select Year | Select Facility | Forms | Chemical Info | On-site Release/Disposal | On-site Waste Mgmt | Off-site Transfer | Source Reduction/Recycling | Misc Info | Summary

### Non-Production Related Quantities

(Form R, Part II, Section 8.8)

Kyle's Corporation Pottstown, PA  
1946WKYLSC123AK

2014 Form R for Copper

Did you report on-site releases or disposal or off-site transfers of this TRI chemical that resulted from any of the following:  
Remedial activities, catastrophic events such as earthquakes, fires, or floods, and/or one-time events that were not associated with normal or routine production processes : ☒ No ☐ Yes

Your reported values for on-site release and disposal and off-site transfers are provided below. Because you answered "Yes" above, you must provide the amount (in pounds) of each of the reported values that was a result of remediation activities; catastrophic events; or one-time events that were not associated with normal or routine production processes.

If a release or transfer listed below was not the result of one of these events, you should report zero for that row. Use the form below to edit the data used by the calculator; if necessary. After making changes, click **Calculate** to refresh the calculated value. Note that while **Rounding** is permitted, EPA recommends using the value as calculated in order to avoid confusion and any apparent internal inconsistency in your submission.

Release, Disposal, or Transfer Description	Reported Value for this Release	Numeric Basis for Normal Production Processes	Non-Production Quantity for this Release
8.8 Calculated Total:			
Rounding: 0			
8.8 Total Non-Production Quantity Reported: <input type="text"/> <input type="button" value="Calculate"/>			

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Helpful Links: [USEPA Home](#) | [TRI Program Home](#) | [Reporting Forms and Instructions \(PDF\)](#) | TRI-MEweb Version RY2014.01

Figure 4.20 (Check text on Prior Year Data page)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences Save Close

Welcome My Facilities Prepare Validate Transmit Review Certify eFDP

Select Year | Select Facility | Forms | Chemical Info | On-site Release/Disposal | On-site Waste Mgmt | Off-site Transfer | Source Reduction/Recycling | Misc Info | Summary

**Prior Year Data**
Kyle's Corporation Pottstown, PA  
1946WKYLSCL23AK

(Form R, Part II, Section 8 Column A)
2014 Form R for Copper

Because this chemical cannot be treated for destruction, "Not Applicable" will be reported for both on-site and off-site treatment on this TRI chemical's Form R. In addition, metals and metal compounds (including asbestos) cannot be combusted for energy recovery. "Not Applicable" also will be reported for both on-site and off-site energy recovery on this TRI chemical's Form R.

Unless you have entered this data yourself, this page summarizes the quantities (in pounds) that TRI-MEweb has carried over from this TRI chemical's RY2013 Form R "Current Year" column. If blank, please provide the requested quantities or select the "Not Applicable" box, as applicable.

Waste Management Description	Prior Reporting Year Quantity (RY2013) (in pounds)	
8.1a) Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		<input type="checkbox"/> Not Applicable
8.1b) Total other on-site disposal or other releases		<input type="checkbox"/> Not Applicable
8.1c) Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		<input type="checkbox"/> Not Applicable
8.1d) Total other off-site disposal or other releases		<input type="checkbox"/> Not Applicable
8.2) Quantity used for energy recovery onsite		<input checked="" type="checkbox"/> Not Applicable
8.3) Quantity used for energy recovery offsite		<input checked="" type="checkbox"/> Not Applicable
8.4) Quantity recycled onsite		<input type="checkbox"/> Not Applicable
8.5) Quantity recycled offsite		<input type="checkbox"/> Not Applicable
8.6) Quantity treated onsite		<input checked="" type="checkbox"/> Not Applicable
8.7) Quantity treated offsite		<input checked="" type="checkbox"/> Not Applicable

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Figure 4.21 (Check text on Current Year Calculations page)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences Save Close

Welcome My Facilities Prepare Validate Transmit Review Certify eFDP

Select Year Select Facility Forms Chemical Info On-site Release/Disposal On-site Waste Mgmt Off-site Transfer Source Reduction/Recycling Misc Info Summary

**Current Year Calculations**
Kyle's Corporation Pottstown, PA  
1946WKYLS0123AK

(Form R, Part II, Section 8 Column B)
2014 Form R for Copper

Because this chemical cannot be treated for destruction, "Not Applicable" will be reported for both on-site and off-site treatment on this TRI chemical's Form R. In addition, metals and metal compounds (including asbestos) cannot be combusted for energy recovery. "Not Applicable" also will be reported for both on-site and off-site energy recovery on this TRI chemical's Form R.

The following table displays the quantities (in pounds) of this TRI chemical managed as waste onsite and offsite for the calendar year, as calculated by TRI-MEweb based on the quantities you provided in earlier portions of the Questionnaire. If you selected any range code in these earlier portions, TRI-MEweb has used the mid-point of the range in these calculations.

If you would like to review how TRI-MEweb calculated a specific value, click **Edit** to review TRI-MEweb's calculation.

Waste Management Description	Current Reporting Year Quantity (in pounds)
8.1a) Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	0 <span>Review/Edit</span>
8.1b) Total other on-site disposal or other releases	0 <span>Review/Edit</span>
8.1c) Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	0 <span>Review/Edit</span>
8.1d) Total other off-site disposal or other releases	0 <span>Review/Edit</span>
8.2) Quantity used for energy recovery onsite <sup>†</sup>	NA
8.3) Quantity used for energy recovery offsite	NA
8.4) Quantity recycled onsite <sup>†</sup>	
8.5) Quantity recycled offsite	NA <span>Review/Edit</span>
8.6) Quantity treated onsite <sup>†</sup>	NA
8.7) Quantity treated offsite	NA

<sup>†</sup> These quantities are the quantities you previously entered in the **Prepare** tab's "On-site Waste Management" section. Use these links to change your [quantity used for energy recovery onsite](#), your [quantity recycled on-site](#), or your [quantity treated onsite](#)

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Figure 4.22 (Check text on Following Year Estimates page)

Logged in as: KYLE PAHOWKA, Alpha Beta Group

[Preferences](#) [Save](#) [Close](#)

[Welcome](#) [My Facilities](#) [Prepare](#) [Validate](#) [Transmit](#) [Review](#) [Certify](#) [eFDP](#)

[Select Year](#) | [Select Facility](#) | [Forms](#) | [Chemical Info](#) | [On-site Release/Disposal](#) | [On-site Waste Mgmt](#) | [Off-site Transfer](#) | [Source Reduction/Recycling](#) | [Misc Info](#) | [Summary](#)

**Following Year Estimates**

Kyle's Corporation Pottstown, PA  
1946WKYLSC123AK

2014 Form R for

Because this chemical cannot be treated for destruction, "Not Applicable" will be reported for both on-site and off-site treatment on this TRI chemical's Form R. In addition, metals and metal compounds (including asbestos) cannot be combusted for energy recovery. "Not Applicable" also will be reported for both on-site and off-site energy recovery on this TRI chemical's Form R.

Quantities (in pounds) for the following year and second following year must also be estimated. Information available at the facility to estimate quantities of the chemical expected during these future reporting years include planned source reduction activities, market projections, expected contracts, anticipated new product lines or production shutdowns, company growth projections, and production capacity figures.

Waste Management Description	Prior Year (RY2013)	Current Year (RY2014)	Following Year (RY2015) (in pounds)	Second Following Year (RY2016) (in pounds)
8.1a) Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	0	<input type="text"/>	<input type="checkbox"/> NA	<input type="text"/> <input type="checkbox"/> NA
8.1b) Total other on-site disposal or other releases	0	<input type="text"/>	<input type="checkbox"/> NA	<input type="text"/> <input type="checkbox"/> NA
8.1c) Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	0	<input type="text"/>	<input type="checkbox"/> NA	<input type="text"/> <input type="checkbox"/> NA
8.1d) Total other off-site disposal or other releases	0	<input type="text"/>	<input type="checkbox"/> NA	<input type="text"/> <input type="checkbox"/> NA
8.2) Quantity used for energy recovery onsite	NA	NA	<input checked="" type="checkbox"/> NA	<input checked="" type="checkbox"/> NA
8.3) Quantity used for energy recovery offsite	NA	NA	<input checked="" type="checkbox"/> NA	<input checked="" type="checkbox"/> NA
8.4) Quantity recycled onsite		<input type="text"/>	<input type="checkbox"/> NA	<input type="text"/> <input type="checkbox"/> NA
8.5) Quantity recycled offsite		NA	<input type="checkbox"/> NA	<input type="text"/> <input type="checkbox"/> NA
8.6) Quantity treated onsite	NA	NA	<input checked="" type="checkbox"/> NA	<input checked="" type="checkbox"/> NA
8.7) Quantity treated offsite	NA	NA	<input checked="" type="checkbox"/> NA	<input checked="" type="checkbox"/> NA

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<b>Test Name</b>	<i>Form R Part II: Section 8 Form mode standardization, Section 8.10</i>
<b>Test ID</b>	TRI 04.2
<b>Synopsis</b>	The test will verify that the changes to the form mode match the questionnaire mode for sections 8.10.
<b>Prerequisites</b>	The user has logged into CDX and the TRI-MEweb application is open with a form R selected by the user for RY 2014 in form mode.
<b>Role</b>	Preparer or Certifying Official

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
1. Click the "Prepare" tab.  Note that you can skip directly to step 6 if you are already viewing a 2014 Form R.	The "Select a Reporting Year" page displays.		Figure 4.1	
2. Select "2014" from the "Reporting Year" drop-down menu.	Reporting year "2014" is selected from the "Reporting Year" drop-down menu.		Figure 4.1	
3. Click the "Select Facility" sub tab.	The "Select a Facility" page displays.		Figure 4.1	
4. Select a radio button corresponding to a facility and click the "Forms" sub tab.	The "Select a Form" page displays.		Figure 4.2	
5. Select a Form R that is in progress and click the "Go To Form Mode" button.  If you do not have any in progress forms, click the "+Add Form" button to add a new chemical form.	The Form R Part II, Sections 1, 2, 3 and 4 page displays.		Figure 4.3	
6. Click the section "8.9-8.10" sub-tab.	The "Form R Part II, Section 8.9 and 8.10" page displays in form mode.		Figure 4.4	
7. Scroll down to "Section 8.10: Source Reduction Activities and Methods" section.	The Section 8.10: Source Reduction Activities and Methods section is displayed.		Figure 4.23	

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
8. Verify that the following text displays in section 8.10: "Report any newly implemented source reduction activity(s) by selecting the applicable code(s) and click on the button to the right of each selected code if you would like to provide optional additional information in Section 8.11."	The following text displays in section 8.10: "Report any newly implemented source reduction activity(s) by selecting the applicable code(s) and click on the button to the right of each selected code if you would like to provide optional additional information in Section 8.11."		Figure 4.23	
9. Confirm that Section 8.10 "Not Applicable" check box is unchecked and that dropdowns for entering source reduction information. If the "Not Applicable" check box is checked then uncheck it first.	The "Not Applicable" checkbox is not checked and Source Reduction Activities and Methods to identify Activities are displayed.		Figure 4.23	
10. Select a Source Reduction Activity from the drop down list.	The selected source reduction activity is displayed and a "Provide Additional info (optional)" button is displayed next to the selected source reduction activity in the form mode.		Figure 4.23	
11. Click the "Provide Additional info (optional)" button.	A pop up box is displayed.		Figure 4.23	
12. Enter a comment in the pop up box and click the "OK" button.	The pop up box is closed and the comment is saved.			
13. Click the section "8.11" sub-tab.	The Form R Part II, Section 8.11 page is displayed and the comment entered in section 8.10 is displayed on the page with the comment description showing the selected source reduction activity code and description.  Note that the source reduction activity code will vary from the attached screenshot depending on what code is selected in Section 8.10.		Figure 4.23, Figure 4.24	

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
14. Click the section "8.9-8.10" sub-tab.	The "Form R Part II, Section 8.9 and 8.10" page displays.		Figure 4.24	
15. Scroll down to Section 8.10: Source Reduction Activities and Methods section and check the "Not Applicable" check box.  A pop-up is displayed asking the user "Are you sure you want to remove data?" Click "Ok" on this pop-up.	The "Not Applicable" check box is checked and the Barriers to Source Reduction types are listed.		Figure 4.25	
16. Verify that the following instructional text displays below the "Not Applicable" checkbox, with the "New" icon next to the text: <b>"Optional: If you wish, use the checkboxes below to indicate barriers your facility faces with regard to the implementation of source reduction activities. You may also elaborate on these barriers using the text boxes provided beneath each barrier selected. Any information entered below will appear under the heading "P2 Barriers" in Section 8.11 (Optional Pollution Prevention Information)."</b>	The following instructional text displays below the "Not Applicable" checkbox, with the "New" icon next to the text: <b>"Optional: If you wish, use the checkboxes below to indicate barriers your facility faces with regard to the implementation of source reduction activities. You may also elaborate on these barriers using the text boxes provided beneath each barrier selected. Any information entered below will appear under the heading "P2 Barriers" in Section 8.11 (Optional Pollution Prevention Information)."</b>		Figure 4.25	
17. Verify that the following barriers are listed under Barriers to Source Reduction: <ul style="list-style-type: none"> <li>Insufficient capital to install new source reduction equipment or implement new source reduction activities/initiatives.</li> <li>Require technical information on pollution prevention techniques applicable to specific production processes.</li> <li>Concern that product quality may decline as a result of source reduction.</li> <li>Source reduction activities were</li> </ul>	The following barriers are listed under Barriers to Source Reduction: <ul style="list-style-type: none"> <li>Insufficient capital to install new source reduction equipment or implement new source reduction activities/initiatives.</li> <li>Require technical information on pollution prevention techniques applicable to specific</li> </ul>		Figure 4.25	

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
<p>implemented but were unsuccessful.</p> <ul style="list-style-type: none"> <li>• Specific regulatory/permit burdens.</li> <li>• Pollution prevention previously implemented - additional reduction does not appear technically or economically feasible.</li> <li>• No known substitutes or alternative technologies.</li> <li>• Other (please describe)</li> </ul>	<p>production processes.</p> <ul style="list-style-type: none"> <li>• Concern that product quality may decline as a result of source reduction.</li> <li>• Source reduction activities were implemented but were unsuccessful.</li> <li>• Specific regulatory/permit burdens.</li> <li>• Pollution prevention previously implemented - additional reduction does not appear technically or economically feasible.</li> <li>• No known substitutes or alternative technologies.</li> <li>• Other (please describe)</li> </ul>			
18. Verify that each barrier listed under Barriers to Source Reduction has a checkbox, which upon clicking displays an editable comment box.	Each barrier listed under the Barriers to Source Reduction heading has a checkbox, which upon clicking displays an editable comment box.		Figure 4.25	
19. Check a checkbox, enter a comment and click the section 8.11 sub tab.	The "Form R Part II, Section 8.11" page is displayed with the comment entered in section 8.11 and the comment description being the selected barriers to source reduction type.		Figure 4.25, Figure 4.26	



---

Determination:

Pass [ ]      Fail [ ]

Approved By:

Date:

Time:

## TRI-04.2 Screenshots

Figure 4.23 (Section 8.10 in Form Mode)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences Save Close

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CDX Helpdesk Chat

Change: [Select Year](#) | [Select Facility](#) | [Form](#) | [Part I: \\$1-4.4 | \\$4.5-4.7 | \\$5](#) | [Part II: \\$1-4 | \\$5 | \\$5.3 | \\$6.1 | \\$6.2 | \\$7A | \\$7B-7C | \\$8.1-8.7 | \\$8.8 | \*\*\\$8.9-8.11\*\* | \\$8.11 | \\$9.1](#)

**Form R Part II, Section 8.9 and 8.10**
eFDP Chem Paths Charlotte, NC  
2822WFDPC13SYS  
2014 Form R for Quinone

### Section 8.9: Production Ratio or Activity Ratio

This is reported as a ratio, not as a percent (i.e., report 1.25 for a 25% increase, not 125% or 25%). Entering 1.0 equals the same production level as the prior reporting year. Only select Not Applicable if you did not manufacture, process, or otherwise use the reported EPCRA Section 313 chemical during the prior reporting year.

☐ Not Applicable

Production ratio or activity ratio:  NEW Select Metric: ☒ Production Ratio ☐ Activity Ratio

Including information in Section 9.1 on your Production or Activity variable(s) provides context for how the Production or Activity Ratio was calculated and may help TRI data users better understand changes in release or other waste management quantities at your facility.

Production or Activity Variable(s):

(e.g., "The variable used to calculate production ratio is: refrigerators produced.")

### Section 8.10: Source Reduction Activities and Methods

Report any newly implemented source reduction activity(s) by selecting the applicable code(s) and click on the button to the right of each selected code if you would like to provide optional additional information in Section 8.11.

☐ Not Applicable

#### Source Reduction Activity 1

W13 - Improved maintenance scheduling, record keeping, or procedures
Provide Additional Info (optional)

#### Methods to identify Activity 1

Select a Source Reduction Method
Select a Source Reduction Method
Select a Source Reduction Method

#### Estimated Annual Reduction for Activity 1 (optional)

Select a Source Reduction Range Code for Source Reduction Activity [X]

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Figure 4.24 (Section 8.11 in Form Mode)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences
Save
Close

Welcome
My Facilities
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CDX Helpdesk Chat

Change: [Select Year](#) | [Select Facility](#) | [Form](#)
Part I: [§1-4.4](#) | [§4.5-4.7](#) | [§5](#)
Part II: [§1-4](#) | [§5](#) | [§5.3](#) | [§6.1](#) | [§6.2](#) | [§7A](#) | [§7B-7C](#) | [§8.1-8.7](#) | [§8.9-8.10](#) | [§11](#) | [§9.1](#)

Form R Part II, Section 8.11
eFDP Chem Paths Charlotte, NC
2014 Form R for Quinone

### Section 8.11: Optional Pollution Prevention Information

Topic	Comment
<input type="checkbox"/> Source Reduction	
<input type="checkbox"/> Recycling	
<input type="checkbox"/> Energy Recovery	
<input type="checkbox"/> Waste Treatment	
<input type="checkbox"/> General Environmental Management	
<input type="checkbox"/> Methods for Identifying Pollution Prevention Opportunities	
<input type="checkbox"/> Ways P2 Was Incorporated in Original Process Design	
Other Optional Pollution Prevention Information:	[Use the check boxes to comment on the topics above, or use this text box for information that does not fit under the topics above]

Topic	Comment
W13	COMMENT

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Figure 4.25 (Barriers to Source Reduction)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences Save Close

Welcome
My Facilities
Prepare
Validate
Transmit
Review
Certify
eFDP
CDX Helpdesk Chat

Change: [Select Year](#) | [Select Facility](#) | [Form](#) | [Part I: §1-4.4 | §4.5-4.7 | §5](#) | [Part II: §1-4 | §5 | §5.3 | §6.1 | §6.2 | §7A | §7B-7C | §8.1-8.7 | §8.8 | \*\*§8.9-8.11\*\* | §8.11 | §9.1](#)

**Form R Part II, Section 8.9 and 8.10**
eFDP Chem Paths Charlotte, NC  
2822WFDPC13SYS  
2014 Form R for Quinone

Production or Activity Variable(s):

(e.g., "The variable used to calculate production ratio is: refrigerators produced.")

**Section 8.10: Source Reduction Activities and Methods**

Report any newly implemented source reduction activity(s) by selecting the applicable code(s) and click on the button to the right of each selected code if you would like to provide optional additional information in Section 8.11.

☒ **Not Applicable**

**NEW Optional:** If you wish, use the checkboxes below to indicate barriers your facility faces with regard to the implementation of source reduction activities. You may also elaborate on these barriers using the text boxes provided beneath each barrier selected. Any information entered below will appear under the heading "P2 Barriers" in Section 8.11 (Optional Pollution Prevention Information).

**Barriers to Source Reduction:**

☒ Insufficient capital to install new source reduction equipment or implement new source reduction activities/initiatives.


Insufficient capital

☐ Require technical information on pollution prevention techniques applicable to specific production processes.  
☐ Concern that product quality may decline as a result of source reduction.  
☐ Source reduction activities were implemented but were unsuccessful.  
☐ Specific regulatory/permit burdens.  
☐ Pollution prevention previously implemented - additional reduction does not appear technically or economically feasible.  
☐ No known substitutes or alternative technologies.  
☐ Other (please describe)

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Helpful Links: [USEPA Home](#) | [TRI Program Home](#) | [Reporting Forms and Instructions \(PDF\)](#) | TRI-MEweb Version RY2013.02

Figure 4.26 (Barriers to Source Reduction Comment)


Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences
Save
Close

Welcome
My Facilities
Prepare
Validate
Transmit
Review
Certify
eFDP
CDX Helpdesk Chat

Change: [Select Year](#) | [Select Facility](#) | [Form](#)
Part I: [§1-4.4](#) | [§4.5-4.7](#) | [§5](#)
Part II: [§1-4](#) | [§5](#) | [§5.3](#) | [§6.1](#) | [§6.2](#) | [§7A](#) | [§7B-7C](#) | [§8.1-8.7](#) | [§8.8](#) | [§8.9-8.10](#) | [§8.11](#) | [§9.1](#)

Form R Part II, Section 8.11
eFDP Chem Paths Charlotte, NC
2014 Form R for Quinone

### Section 8.11: Optional Pollution Prevention Information

Topic	Comment
<input type="checkbox"/> Source Reduction	
<input type="checkbox"/> Recycling	
<input type="checkbox"/> Energy Recovery	
<input type="checkbox"/> Waste Treatment	
<input type="checkbox"/> General Environmental Management	
<input type="checkbox"/> Methods for Identifying Pollution Prevention Opportunities	
<input type="checkbox"/> Ways P2 Was Incorporated in Original Process Design	
Other Optional Pollution Prevention Information:	[Use the check boxes to comment on the topics above, or use this text box for information that does not fit under the topics above]

Topic	Comment
Insufficient capital to install new source reduction equipment or implement new source reduction activities/initiatives.	Insufficient capital

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<b>Test Name</b>	<i>Form R Part II: Section 8 Form mode standardization, Section 8.11</i>
<b>Test ID</b>	TRI 04.3
<b>Synopsis</b>	The test will verify that the changes to the form mode match the questionnaire mode for sections 8.11.
<b>Prerequisites</b>	The user has logged into CDX and the TRI-MEweb application is open with a form R selected by the user for RY 2014 in form mode.
<b>Role</b>	Preparer or Certifying Official

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
<p>1. Navigate to the Section 8.11 sub tab in form mode.</p> <p>Note that if you have just logged into the application you must select a TRIFID, a form, and click the "Go To Form Mode" button to begin the script. You can follow steps 1-5 of script TRI-04.2 for guidance.</p>	The "Form R Part II, Section 8.11" page displays in form mode.		Figure 4.9	
<p>2. Verify that the Optional Pollution Prevention Information topics are displayed in the form of a table, listed in the following order:</p> <ul style="list-style-type: none"> <li>• Source Reduction</li> <li>• Recycling</li> <li>• Energy Recovery</li> <li>• Waste Treatment</li> <li>• General Environmental Management</li> <li>• Methods for Identifying Pollution Prevention Opportunities</li> <li>• Ways P2 was Incorporated in Original Process Design</li> <li>• Other Optional Pollution Prevention Information:</li> </ul>	<p>The Optional Pollution Prevention Information topics are displayed in the form of a table, listed in the following order:</p> <ul style="list-style-type: none"> <li>• Source Reduction</li> <li>• Recycling</li> <li>• Energy Recovery</li> <li>• Waste Treatment</li> <li>• General Environmental Management</li> <li>• Methods for Identifying Pollution Prevention Opportunities</li> <li>• Ways P2 was Incorporated in Original Process Design</li> <li>• Other Optional Pollution Prevention Information:</li> </ul>		Figure 4.9	



Processing Steps	Expected Results	Actual Results	Notes	Issue Number
3. Verify that each topic in section 8.11 has a check box associated with it with the exception of "Other Optional Pollution Prevention Information:" which does not have a checkbox and the comment box is always displayed for this option.	Each topic in section 8.11 has a check box associated with it with the exception of "Other Optional Pollution Prevention Information:" and the comment box is always displayed for this option.		Figure 4.9	
4. Check the checkbox associated with the "Source Reduction" option.	The comment box displays under the "Comment" column heading.		Figure 4.9	
5. Enter a comment in the comment box and click the "Go To Questionnaire Mode" button.	The "Optional Pollution Prevention Information" page displays in questionnaire mode and the comment entered in the form mode for Source Reduction is displayed.		Figure 4.9	

Determination:      Pass [   ]      Fail [   ]      \_\_\_\_\_

Approved By:      \_\_\_\_\_      Date:      \_\_\_\_\_      Time:      \_\_\_\_\_

### TRI-04.3 Screenshot

Figure 4.9 (Section 8.11 in Form Mode)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences
Save
Close

Welcome
My Facilities
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Transmit
Review
Certify
eFDP
CDX Helpdesk Chat

Change: [Select Year](#) | [Select Facility](#) | [Form](#) | [Part I: §1-4.4 | §4.5-4.7 | §5](#) | [Part II: §1-4 | §5 | §5.3 | §6.1 | §6.2 | §7A | §7B-7C | §8.1-8.7 | §8.8 | §8.9-8.11 | \*\*§8.11\*\* | §9.1](#)

Form R Part II, Section 8.11
eFDP Chem Paths Charlotte, NC
2014 Form R for Quinone

#### Section 8.11: Optional Pollution Prevention Information

Topic	Comment
<input checked="" type="checkbox"/> Source Reduction	SOURCE REDUCTION TEST COMMENT
<input type="checkbox"/> Recycling	
<input type="checkbox"/> Energy Recovery	
<input type="checkbox"/> Waste Treatment	
<input type="checkbox"/> General Environmental Management	
<input type="checkbox"/> Methods for Identifying Pollution Prevention Opportunities	
<input type="checkbox"/> Ways P2 Was Incorporated in Original Process Design	
Other Optional Pollution Prevention Information:	[Use the check boxes to comment on the topics above, or use this text box for information that does not fit under the topics above]

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Helpful Links: [USEPA Home](#) | [TRI Program Home](#) | [Reporting Forms and Instructions \(PDF\)](#) | TRI-MEweb Version RY2013.02

<b>Test Name</b>	<i>Form R Part II: Section 8 Form mode standardization, Section 9.1</i>
<b>Test ID</b>	TRI 04.4
<b>Synopsis</b>	The test will verify that the changes to the form mode match the questionnaire mode for sections 9.1.
<b>Prerequisites</b>	The user has logged into CDX and the TRI-MEweb application is open with a Form R selected by the user.
<b>Role</b>	Preparer or Certifying Official

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
<p>1. Click the "Misc Info" sub-tab in Questionnaire Mode.</p> <p>Note that if you have just logged into the application you must select a TRIFID, a form, and click the "Go To Form Mode" button to begin the script. You can follow steps 1-5 of script TRI-04.2 for guidance.</p>	<p>The "Miscellaneous Information" page is displayed with the following suggested topics in section 9.1 in the order below:</p> <ul style="list-style-type: none"> <li>• Changes in Production Levels</li> <li>• Calculation Methods, e.g., Emission Factors</li> <li>• One-time or Intermittent Events Impacting Reported Quantities</li> <li>• Issues or Difficulties Encountered in Submitting Form</li> <li>• Additional Contact Info</li> <li>• Other Regulatory Requirements Related to this Chemical</li> <li>• No TRI Reports Expected for this TRIFID Next Year</li> <li>• No TRI Report Expected for this Chemical Next Year</li> <li>• Other Miscellaneous Information</li> </ul> <p>(Note: There may be</p>		Figure 4.10	

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
	other comments displayed from sec 8.9 in sec 9.1, if you have executed TRI 03.1 and are using the same TRIFID and form R.)			
2. Click on the "Go To Form Mode" button displayed in the bottom right corner.	The "Form R Part II, Section 9.1" page displays in form mode.		Figure 4.10, Figure 4.11	
3. Verify that each topic in sec 9.1 has a check box associated with it with the exception of "Other Miscellaneous Information:" which does not have a checkbox and the comment box is always displayed for this option.	Each topic in sec 9.1 has a check box associated with it with the exception of "Other Miscellaneous Information:" which does not have a checkbox and the comment box is always displayed for this option.		Figure 4.11	
4. Check the checkbox next to the "Changes in Production Levels" topic.	A comment box displays under the "Comment" column heading.		Figure 4.11	
5. Enter a comment in the comment box, click the "Save" button (upper right hand corner of the page), and click the "View Form" button.	A pop up window is displayed with form facsimile.		Figure 4.11	
6. Scroll down to the end of the form and verify that the comment entered in section 9.1 is displayed under the Section 9 Comments in the form facsimile.	The comment entered in section 9.1 is displayed under the Section 9 Comments in the form facsimile.		Figure 4.12	

Determination: Pass [ ] Fail [ ]

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_



## TRI-04.4 Screenshots

Figure 4.10 (Section 9.1 in Questionnaire Mode)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences
Save
Close

Welcome
My Facilities
Prepare
Validate
Transmit
Review
Certify
eFDP

Select Year
Select Facility
Forms
Chemical Info
On-site Release/Disposal
On-site Waste Mgmt
Off-site Transfer
Source Reduction/Recyclin
Misc Info
Summary

### Miscellaneous Information

(Form R, Part II, Section 9.1)

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2014 Form R for Quinone

If you wish to submit any miscellaneous, additional, or optional information regarding your Form R Submission, provide it here.

You may indicate that you are submitting information pertaining to one or more of the following topics by checking a box next to the topic to which your information pertains:

You may enter 4000 characters in each comment box, for selected topic(s) on this page.

**NEW** Suggested Topics (text box will appear for topic(s) you select):

- ☐ Changes in Production Levels
- ☐ Calculation Methods, e.g., Emission Factors
- ☐ One-time or Intermittent Events Impacting Reported Quantities
- ☐ Issues or Difficulties Encountered in Submitting Form
- ☐ Additional Contact Info
- ☐ Other Regulatory Requirements Related to this Chemical
- ☐ No TRI Reports Expected for this TRIFID Next Year
- ☐ No TRI Report Expected for this Chemical Next Year

Other Miscellaneous Information:

[Use the check boxes to comment on the topics above, or use this text box for information that does not fit under the topics above]

(4000/4000 Characters remaining.)

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Figure 4.11 (Section 9.1 in Form Mode)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences
**Save**
Close

Welcome
My Facilities
Prepare
Validate
Transmit
Review
Certify
eFDP
CDX Helpdesk Chat

Change: [Select Year](#) | [Select Facility](#) | [Form](#) | [Part I: §1-4.4 | §4.5-4.7 | §5](#) | [Part II: §1-4 | §5 | §5.3 | §6.1 | §6.2 | §7A | §7B-7C | §8.1-8.7 | §8.8 | §8.9-8.10 | §8.11 | §9.1](#)

**Form R Part II, Section 9.1**
eFDP Chem Paths Charlotte, NC  
2822WFDPCH13SYS  
2014 Form R for Quinone

### Section 9.1: Miscellaneous Information

	Topic	Comment
<input checked="" type="checkbox"/>	Changes in Production Levels	Changes in production levels comment
<input type="checkbox"/>	Calculation Methods, e.g., Emission Factors	
<input type="checkbox"/>	One-time or Intermittent Events Impacting Reported Quantities	
<input type="checkbox"/>	Issues or Difficulties Encountered in Submitting Form	
<input type="checkbox"/>	Additional Contact Info	
<input type="checkbox"/>	Other Regulatory Requirements Related to this Chemical	
<input type="checkbox"/>	No TRI Reports Expected for this TRIFID Next Year	
<input type="checkbox"/>	No TRI Report Expected for this Chemical Next Year	
	Other Miscellaneous Information:	[Use the check boxes to comment on the topics above, or use this text box for information that does not fit under the topics above]

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Go To Questionnaire Mode
**View Form**
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Figure 4.12 (Section 9.1 Comment in Stylesheet)

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1 - 8.7 Production-Related Waste Managed					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	NA	NA	NA	NA
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery on-site	NA	NA	NA	NA
8.3	Quantity used for energy recovery off-site	NA	NA	NA	NA
8.4	Quantity recycled on-site	NA	NA	NA	NA
8.5	Quantity recycled off-site	NA	NA	NA	NA
8.6	Quantity treated on-site	NA	NA	NA	NA
8.7	Quantity treated off-site	NA	NA	NA	NA
8.8	Non-production-related waste managed**		0		
8.9	<input checked="" type="checkbox"/> Production ratio or <input type="checkbox"/> Activity ratio (select one and enter value to right)		0		
8.10	Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year? If so, complete the following section; if not, check NA.		NA <input checked="" type="checkbox"/>		
	Source Reduction Activities (Enter code(s))	Methods to Identify Activity (Enter code(s))			Estimated annual reduction (Enter code(s)) (optional)
8.10. 1	NA				

\*For Dioxin and Dioxin-like Compounds, report in grams/year  
 \*\* Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes

[1](#) [2](#) [3](#) [4](#) [5](#) [Additional Info](#)

TRI Facility ID Number	2822WFDPC13SYS
Toxic Chemical, Category, or Generic Name	Quinone

Section 8. Comments:	
Section 9. Comments:	
Changes in Production Levels	Changes in production levels comment

<b>Test Name</b>	<i>Form R Part II: Section 8.9 user guide pages</i>
<b>Test ID</b>	TRI 04.5
<b>Synopsis</b>	The following test script will verify the changes made to the section 8.9 user guide pages as part of RY 2014 release.
<b>Prerequisites</b>	The user has logged into TRI-MEweb application and has selected a form R.

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
1. After selecting a Form R chemical, click the "Go To Form Mode" button from the "Select a Form" page.  Note that if you have just logged into the application you must select a TRIFID, a form, and click the "Go To Form Mode" button to begin the script. You can follow steps 1-5 of script TRI-04.2 for guidance.	The "Form R Part II, Sections 1, 2, 3 and 4" page displays.		Figure 4.3	
2. Click the Section "8.9-8.10" sub-tab.	The "Form R Part II, Section 8.9 and 8.10" page displays.		Figure 4.4	
3. Click the "Go To Questionnaire Mode" button on the "Form R Part II, Section 8.9 and 8.10" page.	The "Production Ratio or Activity Ratio" page displays in questionnaire mode.		Figure 4.13	
4. If the "Not Applicable" check box is checked, uncheck the check box and click the "More" link below the Select Metric radio buttons.	A "More on Production Ratio and Activity Ratio" pop up window displays.		Figure 4.14	
5. Verify that the pop-up window displays tips to understand Production and Activity Ratio.	The pop-up window displays the tips to understand Production and Activity Ratio.			
6. Close the pop up. Click the "Learn More" button on the "Production Ratio or Activity Ratio" page.	A user guide pop up window displays information on "Including Information on Production or Activity Variable(s) in Section 9.1."		Figure 4.15	

Processing Steps	Expected Results	Actual Results	Notes	Issue Number
7. Click the ">>" link on the user guide pop-up window.	The "Production Ratio or Activity Ratio" pop-up window displays a link to "Section 8.9 Examples" and "Sample Industry-Specific Production or Activity Variables."			
8. Click the "Section 8.9 Examples" link.	The Section 8.9 Examples pop-up window is displayed in the user guide.			
9. Click the "<<" link twice to navigate to the "Production Ratio or Activity Ratio" pop-up window.	The "Production Ratio or Activity Ratio" pop-up window displays.			
10. Click the "Sample Industry-Specific Production or Activity Variables" link.	The "Sample Industry-Specific Production or Activity Variables" pop-up window displays.			

Determination:      Pass [   ]      Fail [   ]      \_\_\_\_\_

Approved By:      \_\_\_\_\_      Date:      \_\_\_\_\_      Time:      \_\_\_\_\_

## TRI-04.5 Screenshots

Figure 4.13 (Go to Questionnaire Mode)

Logged in as: KYLE.PAHOWKA, Alpha Beta Group
Preferences Save Close

Welcome My Facilities Prepare Validate Transmit Review Certify eFDP

Change: Select Year | Select Facility | Form Part I: §1-4.4 | §4.5-4.7 | §5 Part II: §1-4 | §5 | §5.3 | §6.1 | §6.2 | §7A | §7B-7C | §8.1-8.7 | §8.8 | §8.9-8.10 | §8.11 | §9.1

Form R Part II, Section 8.9 and 8.10
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2622WFDPCH13SYS  
2014 Form R for Quinone

### Section 8.9: Production Ratio or Activity Ratio

This is reported as a ratio, not as a percent (i.e., report 1.25 for a 25% increase, not 125% or 25%). Entering 1.0 equals the same production level as the prior reporting year. Only select Not Applicable if you did not manufacture, process, or otherwise use the reported EPCRA Section 313 chemical during the prior reporting year.

☐ Not Applicable

Production ratio or activity ratio:  NEW Select Metric: ☒ Production Ratio ☐ Activity Ratio

Including information in Section 9.1 on your Production or Activity variable(s) provides context for how the Production or Activity Ratio was calculated and may help TRI data users better understand changes in release or other waste management quantities at your facility.

Production or Activity Variable(s):

(e.g., "The variable used to calculate production ratio is: refrigerators produced.")

### Section 8.10: Source Reduction Activities and Methods

Report any newly implemented source reduction activity(s) by selecting the applicable code(s) and click on the button to the right of each selected code if you would like to provide optional additional information in Section 8.11.

☒ Not Applicable

NEW **Optional:** If you wish, use the checkboxes below to indicate barriers your facility faces with regard to the implementation of source reduction activities. You may also elaborate on these barriers using the text boxes provided beneath each barrier selected. Any information entered below will appear under the heading "P2 Barriers" in Section 8.11 (Optional Pollution Prevention Information).

**Barriers to Source Reduction:**

- ☐ Insufficient capital to install new source reduction equipment or implement new source reduction activities/initiatives.
- ☐ Require technical information on pollution prevention techniques applicable to specific production processes.
- ☐ Concern that product quality may decline as a result of source reduction.
- ☐ Source reduction activities were implemented but were unsuccessful.
- ☐ Specific regulatory/permit burdens.
- ☐ Pollution prevention previously implemented - additional reduction does not appear technically or economically feasible.
- ☐ No known substitutes or alternative technologies.

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Figure 4.14 (Click "More" Button)

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**Production Ratio or Activity Ratio**

(Form R, Part II, Section 8.9)

eFDP Chem Paths Charlotte, NC  
2822WFDPCH13SYS  
2014 Form R for Quinone

ratio puts year-to-year changes in quantities released and managed as waste into the context of production (i.e., have releases increased more than production increased?).

If you did not manufacture, process, or otherwise use the reported TRI chemical during the prior reporting year, check the "Not Applicable" box provided.

☐ **Not Applicable**

Example Calculation:  
EPCRA Section 313 chemical used in the manufacture of refrigerators.

- Refrigerators manufactured by the facility in 2012 = 1000
- Refrigerators manufactured by the facility in 2011 = 800

Production ratio equals  $1000/800 = 1.25$   
Note: this is reported as a ratio, not as a percent (i.e., report 1.25 for a 25% increase, not 125% or 25%)

Click **Use Wizard** to use the Production Ratio/Activity Ratio Wizard.

Note: If you would like to calculate a weighted average using multiple Production or Activity Variables, select 'Multiple Variable' before clicking **Use Wizard**.

☒ **Single Production or Activity Variable**
☐ **Multiple Variables (Weighted Average)**

Use Wizard

Production Ratio or Activity Ratio:

1.0 equals the same production level as the prior reporting year.

NEW

Select Metric: ☒ Production Ratio ☐ Activity Ratio

[More](#)

Production Ratio and Activity Ratio

Optional: Include info on production or activity variable(s) used to calculate ratio.

**Production or Activity Variable(s)** (included in Section 9.1, Miscellaneous Information):

(e.g., "The variable used to calculate production ratio is: refrigerators produced.")

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Figure 4.15 (Click "Learn More" Button)

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**Production Ratio or Activity Ratio**

(Form R, Part II, Section 8.9)

eFDP Chem Paths Charlotte, NC  
2822WFDPCH13SYS  
2014 Form R for Quinone

ratio puts year-to-year changes in quantities released and managed as waste into the context of production (i.e., have releases increased more than production increased?).

If you did not manufacture, process, or otherwise use the reported TRI chemical during the prior reporting year, check the "Not Applicable" box provided.

☐ **Not Applicable**

Example Calculation:  
EPCRA Section 313 chemical used in the manufacture of refrigerators.

- Refrigerators manufactured by the facility in 2012 = 1000
- Refrigerators manufactured by the facility in 2011 = 800

Production ratio equals  $1000/800 = 1.25$   
Note: this is reported as a ratio, not as a percent (i.e., report 1.25 for a 25% increase, not 125% or 25%)

Click **Use Wizard** to use the Production Ratio/Activity Ratio Wizard.

Note: If you would like to calculate a weighted average using multiple Production or Activity Variables, select 'Multiple Variable' before clicking **Use Wizard**.

☒ **Single Production or Activity Variable**
☐ **Multiple Variables (Weighted Average)**

[Use Wizard](#)

**Production Ratio or Activity Ratio:**

NEW

**Select Metric:**
☒ **Production Ratio**
☐ **Activity Ratio**

1.0 equals the same production level as the prior reporting year.

[More on Production Ratio and Activity Ratio](#)

Optional: Include info on production or activity variable(s) used to calculate ratio.

**Production or Activity Variable(s)** (included in Section 9.1, Miscellaneous Information):

(e.g., "The variable used to calculate production ratio is: refrigerators produced.")

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